INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP00/09185

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl? H01L 21/306					
According to	According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS	S SEARCHED				
Minimum do	Minimum documentation searched (classification system followed by classification symbols) Int.Cl ² H01L 21/304, 21/306, 21/308				
Documentat	ion contribed other than minimum documentation to the	extent that such documents are included	in the fields searched		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926-1996 Jitsuyo Shinan Toroku Koho 1996-2001 Kokai Jitsuyo Shinan Koho 1971-2001 Toroku Jitsuyo Shinan Koho 1994-2001					
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sea	rch terms used)		
•					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
EX	JP, 2001-68444, A (Mitsubishi Ma 16 March, 2001 (16.03.01) (Fa	mily: none)	1-8,18		
A X	EP, 864533, A2 (Shinetsu Handot 16 September, 1998 (16.09.98), Claims Fig. 1,Fig. 2 & JP, 10-310883, A	ai Co. Ltd.),	9-15 16-20		
A	<pre>JP, 11-162953, A (Mitsubishi Materials Silicon Corp.), 18 June, 1999 (18.06.99) (Family: none)</pre>		1-20		
A	JP, 3-1537, A (Shin Etsu Handotai Co., Ltd.), 08 January, 1991 (08.01.91) (Family: none)		13-15		
A	JP, 5-291238, A (Nippon Steel Corporation), 05 November, 1993 (05.11.93) (Family: none)		13-15		
		·	•		
Furthe	er documents are listed in the continuation of Box C.	See patent family annex.			
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance		"T" later document published after the inter priority date and not in conflict with the understand the principle or theory under	e application but cited to		
	document but published on or after the international filing	"X" document of particular relevance; the c	laimed invention cannot be		
date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		considered novel or cannot be consider step when the document is taken alone "Y" document of particular relevance; the c			
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		considered to involve an inventive step combined with one or more other such	when the document is documents, such		
means combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed					
Date of the 27 N	actual completion of the international search March, 2001 (27.03.01)	Date of mailing of the international scare 03 April, 2001 (03.0			
Name and n	nailing address of the ISA/	Authorized officer			
	anese Patent Office				
Facsimile No.		Telephone No.			



F0575PCT

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0	For receiving Office use only		
0-1	International Application No.		
0-2	International Filing Date	, , , , , , , , , , , , , , , , , , ,	
0-3	Name of receiving Office and "PCT International Application"		
0-4	Form - PCT/RO/101 PCT Request		
0-4-1	Prepared using	PCT-EASY Version 2.91	
		(updated 01.01.2001)	
0-5	Petition		
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty		
0-6	Receiving Office (specified by the applicant)	Japanese Patent Office (RO/JP)	
0-7	Applicant's or agent's file reference	F0575PCT	
ī	Title of invention	ETCHANT, ETCHING METHOD AND SEMICONDUCTOR SILICON WAFER	
11	Applicant		
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11-9	Facsimile No.	03-3215-9040	
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III-1-7	State of residence	JP	

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IV-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
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IV-1-3	Telephone No.	03-3269-2611
IV-1-4	Facsimile No.	03-3269-3590
V	Designation of States	
V-1	Regional Patent	EP: AT BE CH&LI CY DE DK ES FI FR GB GR
	(other kinds of protection or treatment, if any, are specified between	IE IT LU MC NL PT SE TR and any other
	parentheses after the designation(s)	State which is a Contracting State of
	concerned)	the European Patent Convention and of
		the PCT
V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	KR SG US
V-5	Precautionary Designation Statement	and the second s
	In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary designations	NONE
VI-1	Priority claim of earlier national	
VI-1-1	application Filing date	28 December 1999 (28.12.1999)
VI-1-2	Number	11-374052
VI-1-3	Country	JP
VII-1	International Searching Authority Chosen	Japanese Patent Office (JPO) (ISA/JP)

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VIII	Check list	number of sheets	electronic file(s) attached	
VIII-1	Request	-4	-	
VIII-2	Description	11	-	
VIII-3	Claims	2	_	
/111-4	Abstract	1	_	
/III-5	Drawings	2	-	
VIII-7	TOTAL	20		
	Accompanying items	paper document(s) attached	electronic file(s) attached	
VIII-8	Fee calculation sheet	√	_	
/III-16	PCT-EASY diskette	-	diskette	
/III-18	Figure of the drawings which should accompany the abstract	1		
/III-19	Language of filing of the international application	Japanese		
X	Signature of applicant or agent			
X-1	Name (LAST, First)			
X-2	Capacity			

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/JP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1 Date of receipt of the rece	ord copy by	
the International Bureau		